



# **The Navy and Alternative Fuel Vehicles (AFVs)**

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# TRANSFORMING FUEL USE



- **Need a Plan**

- **Includes local policy governing alternative fuel use**

- Commander's goals
    - Direct usage
    - Identify locations
    - Which vehicles?

- **Advertising and marketing**

- Availability
    - Clearly label vehicles and pumps
    - Address concerns and misconceptions
    - Sponsor an event

- **Education and training**

- Operators
    - Maintenance personnel

# TRANSFORMING FUEL USAGE



## –Incentives

- Friendly competition to increase use
- Peer recognition
- Non-monetary awards

## –Measuring petroleum and alt fuel usage

# INFRASTRUCTURE

- **Hawaii Infrastructure Plan**
  - 3 Bio-fuel site
    - Pearl Harbor Main sites
- **Navy has E85 Stations**
  - Currently 10 E85/B20 stations operational
- **Future Plans**
  - Charging Stations



# VEHICLE PLAN



- **Vary mix of vehicles**
  - Approximately **900** NEVs Navy-wide
  - Hybrid and Low GHG emitting vehicles
  - PHEV as they become available
- **Reduce Fleet**
  - Size of vehicle
  - Size of fleet



# ISSUES

- **Vehicle Availability**
  - On GSA schedule
  - Commercially available
- **Infrastructure Availability**
  - Hydrogen Fueling Station
  - Electric Charging Station
  - E85/B20 Fueling Stations
  - Future Bio-fuels
- **Funding**



# CONCLUSION

- **Navy goals**

- Reduce Carbon Footprint, Fuel and Energy Use
- Reduce fossil fuel consumption

- **Motivation:**

- Mandated by EOs and laws
- Environmental Stewardship
- Energy Independence and Security
- Reduce costs
- Dedicated workforce to Environmental greening



# Questions

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Questions  
are  
guaranteed in  
life;  
Answers  
aren't.